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INTELLIGENT NETWORK AND METHOD FOR PROVIDING  
VOICE TELEPHONY OVER ATM AND ALIAS ADDRESSING

ABSTRACT OF THE DISCLOSURE

5 An illustrative intelligent network and method for  
providing voice telephony over ATM and alias addressing are  
provided that can provide significant advantages. The  
intelligent network includes a multi-service control point,  
an ATM signaling intercept processor, and a service  
administration. The multi-service control point receives  
an input extracted from an input ATM setup message that  
includes a called party phone number value and a VToA  
designator, and generates an alias ATM address of a called  
party CPE that corresponds to a network gateway in  
communication with a PSTN switch through a plurality of  
trunk lines and a desired trunk line of the plurality of  
trunk lines. The multi-service control point generates an  
output in response that will be used to generate an output  
ATM setup message that includes the alias ATM address. The  
ATM signaling intercept processor intercepts the input ATM  
setup message from an ingress ATM edge switch of the ATM  
network, extracts the input from the input ATM setup  
message, communicates the input to the multi-service  
control point, receives the output generated by the multi-  
service control point, generates the output ATM setup  
message using the output, and communicates the output ATM  
setup message to the ingress ATM edge switch of the ATM  
network. The service administration provisions the multi-  
service control point and the ATM signaling intercept  
processor. An illustrative method for providing VToA and  
alias addressing is also provided.